

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Yong-Li Ruan et al.

Application No.: 10/003,405

Filing Date: December 6, 2001

Title: MODIFICATION OF SUCROSE
SYNTHASE GENE EXPRESSION IN
PLANT TISSUE AND USES
THEREFOR



Group Art Unit: 1638

Examiner: RUSSELL KALLIS

Confirmation No.: 5391

FIFTH
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a Fifth Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☐ No additional fee for submission of an IDS is required.
- ☒ The fee of 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☒ Charge \$ 180.00 to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date June 20, 2006

By: 

Christopher L. North
Registration No. 50433

06/21/2006 JADD01

00000015 10003405

01 JUN 2006

180.00 OP

P.O. Box 1404
Alexandria, VA 22313-1404
703.836.6620

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Yong-Li Ruan et al.

Application No.: 10/003,405

Filed: December 6, 2001

For: MODIFICATION OF SUCROSE
SYNTHASE GENE EXPRESSION IN
PLANT TISSUE AND USES
THEREFOR



Group Art Unit: 1638

Examiner: RUSSELL KALLIS

Confirmation No.: 5391

FIFTH INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c), the fee (\$180.00) set forth in 37 C.F.R. § 1.17(p) is enclosed.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: June 20, 2006

By: 

Christopher L. North
Registration No. 50433

P.O. Box 1404
Alexandria, VA 22313-1404
703.836.6620

**FIFTH
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/003,405
Filing Date	December 6, 2001
First Named Inventor	Yong-Li Ruan et al.
Examiner Name	RUSSELL KALLIS
Attorney Docket No.	1021565-000110

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	GenBank Accession No. L19762 (GI: 349737) - "Lycopersicon esculentum fruit sucrose synthase mRNA, complete cds;" 6/20/94.
	GenBank Accession No. X69931 (GI: 19099) - "H. vulgare mRNA for sucrose synthase;" 5/11/95.
	GenBank Accession No. Z15028.1 (GI: 20373) - "O.sativa mRNA for sucrose synthase;" 10/12/92.
	GenBank Accession No. Z11532.1 (GI: 21341) - "S.officinarum SUS1 mRNA for sucrose synthase;" 2/9/99.
	GenBank Accession No. M18745.1 (GI: 169571) - "Potato sucrose synthase mRNA, complete cds;" 4/27/93.
	GenBank Accession No. L22296 (GI: 514945) - "Zea mays sucrose synthase (Sus1) mRNA, complete cds;" 7/22/94.
	GenBank Accession No. U73588 (GI: 4733945) - "Gossypium hirsutum sucrose synthase mRNA, complete cds;" 5/4/99.
	GenBank Accession No.: X81974 (GI: 1488569) - "B.vulgaris mRNA for sucrose synthase;" 3/25/97.
	GenBank Accession No.: X75332 (GI: 406316) - "D.carota (Nantaise) mRNA for sucrose synthase;" 9/9/04.
	GenBank Accession No.: X69773.1 (GI: 22037) - "V.faba mRNA for sucrose synthase;" 5/11/95.

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.